

WHAT IS CLAIMED IS:

1. An image forming apparatus which can communicate with an external apparatus via network connecting means, comprising:

5 control means for, upon status updating, periodically controlling power supply of a power source which has been saved in a power saving mode and is necessary for the status updating; and
 notifying means for notifying said external
10 apparatus of the status updated in accordance with the power control of said control means.

2. An apparatus according to claim 1, wherein said control means controls so as to save the power
15 source necessary for said status updating after completion of said status updating.

3. An apparatus according to claim 1, further comprising first detecting means and second detecting
20 means each for detecting a status of said image forming apparatus, and

 wherein said control means controls power supply to said second detecting means in accordance with a detection result obtained from said first
25 detecting means in accordance with power supply to said first detecting means.

4. An image forming apparatus which has a power control mode for shifting said apparatus to a power saving mode in which electric power consumption is smaller than that in a normal standby mode and can be
5 connected to a network via network connecting means, comprising:

detecting means for detecting a status of said image forming apparatus;

first control means for controlling in a manner
10 such that when said power control mode is said normal standby mode, if there is an inquiry about the status of said image forming apparatus from said network connecting means, information indicative of the status detected by said detecting means is notified;

15 update control means for intermittently supplying a power source to said detecting means, thereby allowing said detecting means to update the status;

second control means for controlling in a
20 manner such that when said power control mode is said power saving mode, if there is the inquiry about the status of said image forming apparatus from said network connecting means, the notification based on the status information updated by said update control
25 means is made; and

power control means for controlling a power supplying mode for each of said first and second

control means in accordance with whether said power control mode is said normal standby mode or said power saving mode.

5 5. An apparatus according to claim 4, further comprising:

 status signal switching means for connecting the status from said detecting means to said first control means in said normal standby mode and
10 connecting the status from said detecting means to said second control means in said power saving mode;
 and

 network switching means for making switching control in a manner such that, in said normal standby
15 mode, said network connecting means is connected to said first control means and transmits and receives information and, in said power saving mode, said
 network connecting means is connected to said second control means and transmits and receives information.

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 6. An apparatus according to claim 4, wherein
 a plurality of types of detecting means including at least first detecting means and second detecting means are included in said detecting means,
25 said update control means controls power supply of a power source to said second detecting means on the basis of a detection result of said first

detecting means according to the intermittent supply of said power source, and

said second control means controls so as to make a notification based on detection results of
5 said first detecting means and/or said second detecting means.

7. An apparatus according to claim 6, wherein said first detecting means periodically executes the
10 detection during the operation of said image forming apparatus and in the power saving mode, and said second detecting means executes the detection in the case where it is determined that the detection is necessary in accordance with the detection results of
15 said first detecting means during the operation or in said power saving mode.

8. An apparatus according to claim 6, further comprising third detecting means which does not
20 execute the detection in said power saving mode.

9. An apparatus according to claim 4, wherein said power control means stops the power supply to said first control means and supplies the electric
25 power to said second control means in said power saving mode.

10. An apparatus according to claim 4, wherein
when a predetermined job request is received from
said network connecting means in said power saving
mode, said second control means outputs a request for
5 restarting the operation of said first control means
to said first control means and notifies said first
control means of a command based on said
predetermined job request from said network
connecting means.

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11. An apparatus according to claim 10, wherein
said predetermined job request includes a print job
request and a facsimile job request from said network
connecting means.

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12. A power control method in an image forming
apparatus which can communicate with an external
apparatus via network connecting means, comprising:

20 a control step of, upon status updating,
periodically controlling power supply of a power
source which has been saved in a power saving mode
and is necessary for the status updating; and

a notifying step of notifying said external
apparatus of the status updated in accordance with
25 the power control in said control step.

13. A method according to claim 12, wherein in

said control step, control is made so as to save the power source necessary for said status updating after completion of said status updating.

5 14. A method according to claim 12, further comprising:

 a first detecting step by first detecting means provided for said image forming apparatus; and

 a second detecting step by second detecting
10 means provided for said image forming apparatus,
 and wherein in said control step, power supply to said second detecting means is controlled in accordance with a detection result obtained by said first detecting step in accordance with power supply
15 to said first detecting means.

 15. A power control method in an image forming apparatus which has a controller with which first control means and second control means can
20 communicate, has a power control mode for shifting said apparatus to a power saving mode in which electric power consumption is smaller than that in a normal standby mode, and can be connected to a network via network connecting means, comprising:

25 a detecting step of detecting a status of said image forming apparatus;

 a first notifying step of controlling in a

manner such that when said power control mode is said normal standby mode, if there is an inquiry about the status of said image forming apparatus from said network connecting means, information indicative of
5 the status detected in said detecting step is notified by said first control means;

an updating step of intermittently supplying a power source to said detecting step and activating said detecting step, thereby allowing the status to
10 be updated;

a second notifying step of controlling in a manner such that when said power control mode is said power saving mode, if there is the inquiry about the status of said image forming apparatus from said
15 network connecting means, the notification based on the status information updated in said updating step is made by said second control means; and

a power control step of controlling a power supplying mode for each of said first and second
20 control means in accordance with whether said power control mode is said normal standby mode or said power saving mode.

16. A method according to claim 15, wherein
25 said power control step further comprises:

a status signal switching step of notifying said first control means of the status from said

detecting step in said normal standby mode and
notifying said second control means of the status
from said detecting step in said power saving mode;
and

5 a network switching step of making switching
control in a manner such that, in said normal standby
mode, said network connecting means is connected to
said first control means and transmits and receives
information and, in said power saving mode, said
10 network connecting means is connected to said second
control means and transmits and receives information.

17. A method according to claim 15, wherein
in said detecting step, the detection by a
15 plurality of types of detecting means including at
least first detecting means and second detecting
means is made,

in said updating step, power supply of a power
source to said second detecting means is controlled
20 on the basis of a detection result of said first
detecting means, and

in said second notifying step, a notification
based on detection results of said first detecting
means and/or said second detecting means is made.
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18. A method according to claim 17, wherein in
said detecting step, the detection by said first

detecting means is periodically executed during the operation of said image forming apparatus and in the power saving mode, and the detection by said second detecting means is executed in the case where it is
5 determined that the detection is necessary in accordance with the detection results of said first detecting means during the operation or in said power saving mode.

10 19. A method according to claim 17, wherein in said detecting step, detection by third detecting means which does not execute the detection in said power saving mode is executed during the operation of said image forming apparatus.

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 20. A method according to claim 15, wherein in said power control step, the power supply to said first control means is stopped and the electric power is supplied to said second control means in said
20 power saving mode.

 21. A method according to claim 15, wherein in said power control step, when a predetermined job request is received from said network connecting
25 means by said second control means in said power saving mode, a request for restarting the operation of said first control means is outputted to said

first control means and said first control means is notified of a command based on said predetermined job request from said network connecting means.

- 5 22. A method according to claim 21, wherein said predetermined job request includes a print job request and a facsimile job request from said network connecting means.